

## Report

# BUILDING SURVEY FOR ASBESTOS CONTAINING MATERIALS



**Subject Property:** Apartment House

**Address:** 214 Harmon Street  
Elmira, New York

**Date of Survey:** September 17, 2016

**Prepared by:** Atlantic Environmental Consulting  
3725 Alpine Drive  
Endwell, NY 13760

 Atlantic Environmental Consulting, LLC

## CONTENTS

<b>I. Executive Summary .....</b>	<b>3</b>
A. Overview .....	3
B. Significant Findings.....	3
<b>II. General Information.....</b>	<b>5</b>
A. Description of Structure.....	5
B. Purpose of Survey .....	5
C. General Procedure .....	6
D. Limits of Survey .....	7
<b>III. Asbestos Survey Procedures .....</b>	<b>7</b>
A. Inspection & Sampling .....	7
B. Laboratory Testing .....	7
<b>IV. Findings.....</b>	<b>8</b>
A. Laboratory Results .....	8
B. Summary of Findings.....	8
C. Transmittal of Survey Information .....	9
<b>V. Recommendations .....</b>	<b>10</b>

## TABLES – FIGURES

Table 1 -- Asbestos Survey Results

Table 2 – Summary of Homogeneous Areas

Figure 1 -- Site Location Map

Figure 2 -- Building and Sampling Diagram

Photos

## APPENDICES

Appendix A - Laboratory Analytical Data

Appendix B - Inspector & Laboratory Accreditation

Appendix C - Glossary Of Terms, Abbreviations, And Acronyms

## I. Executive Summary

This Section is a summary only and the user must refer to the entire contents of this report including Appendices.

### A. Project Background

Project Background		
Purpose of Survey:	Pre-demolition	
Asbestos Survey Contractor:	Atlantic Environmental Consulting	
Date of Survey:	September 17, 2016	
Inspector(s):	Matthew Weintraub	Stephen Major
NYSDOL Certificate(s):	93-10084	03-01809
Client:	J. B. Evans & Sons	
Site Name:	Apartment House	
Site Address:	214 Harmon Street, Elmira, New York	
Brief Building Description:	The subject structure is a two story apartment house in poor condition	
Property Owner:	Joel & Linell Uhler	
Owner Mailing Address:	Not provided	
Occupancy:	Occupied	

This building survey was performed on the subject building as part of the requirements for demolition and/or renovation under the New York State Department of Labor (NYSDOL) Industrial Code Rule 56, to determine if asbestos containing materials (ACMs) were used to build the structure. Suspect building materials were categorized into homogeneous areas and then inspected and sampled in order to be identified as ACMs or non-asbestos containing materials (NACMs).

### B. Significant Findings

The findings of this asbestos survey are listed below. Additional details are presented in **Section IV**.

The following materials were found to contain asbestos in concentrations greater than 1%:

**Friable ACMs**

- **Friable duct wrap** on wall ducts, register boots, and on ducts in the basement (approximately 100 square feet observed; additional TSI may exist in hidden cavities within the structure).
- **Friable joint compound** on drywall surfaces in various parts of the building (approximately 3,000 square feet). Painted, this material is visually indistinguishable from the non-ACM plaster which covers some original wall and ceiling surfaces. As such, the quantity of drywall is a rough estimate.

**Non-Friable ACMs**

- **Non-friable white vinyl flooring** in the first floor rear bedroom closet (approximately 25 square feet).
- **Non-friable yellow vinyl flooring** in the first floor living room closet (approximately 40 square feet).
- **Non-friable tan bituminous roofing** on the front porch roof (approximately 200 square feet).

This Section is a summary only and the user must refer to the entire contents of this report including Appendices.

## II. General Information

### A. Description of Structure

Description of Structure	
Number of Stories:	Two stories
Superstructure:	Wood framed
Foundation:	Basement and crawl space
Roofing:	Asphaltic
Exterior Walls / Siding:	Wood
Interior Floors:	Floor tiles, wood flooring, resilient flooring, carpet
Interior Walls:	Drywall, plaster, panels
Interior Ceilings:	Drywall, plaster, grid ceiling
Heating System:	Forced air
Heating Plant Location:	Basement
Other Features:	N/A
Outbuildings:	N/A

### B. Purpose of Survey

This survey was conducted in order to determine whether asbestos-containing materials (ACMs) and/or asbestos materials are present in the structure. Asbestos can cause debilitating or fatal illnesses. When disturbed, as during demolition or renovation activities, asbestos fibers can become airborne whereupon they can create a health hazard. ACMs and asbestos materials in buildings, and the disturbance of same, are regulated under federal, state, and local laws.

As part of asbestos surveys, suspect ACMs are identified and, where appropriate, sampled for analysis by an accredited laboratory. The suspect materials are also grouped into two categories: friable (able to be crushed or pulverized by hand pressure) and non-friable. Materials that are typically non-friable in their normal state, such as asphalt roofing or resilient floor tile, may become friable when subjected to mechanical abrasion activities (e.g. dry cutting or floor sanding). The physical disintegration of the material could cause asbestos fibers to be dispersed into the air.

## C. General Procedure

Suspect ACMs are targeted for identification by (1) a review of pertinent building plans and other records, where available, and (2) by the sampling of suspect materials for certified laboratory analysis.

The following list (excerpted from 12NYCRR Part 56-5) summarizes typical ACMs and suspect materials in buildings; it is not all-inclusive:

Typical ACMs / Suspect Materials	
<b>Surfacing Treatments:</b>	
• Fireproofing	• Finish plasters
• Acoustical plaster	• Skim coats of joint compound
<b>Thermal System Insulation:</b>	
• Equipment insulation	• Cement or mortar used for boilers & refractory brick
• Boiler breeching, rope, duct, or tank insulation	• Piping and fitting insulations
<b>Roofing and Siding Miscellaneous Materials:</b>	
• Insulation board	• Cementitious board (transite)
• Vapor barriers	• Flashing
• Coatings	• Shingles
• Non-metallic or non-wood roof decking	• Galbestos
• Felts	
<b>Other Miscellaneous Materials:</b>	
• Dust and debris	• Fire blankets
• Floor tile	• Fire doors
• Cove base	• Brakes and clutches
• Floor leveler compound	• Mastics, adhesives and glues
• Ceiling tile	• Caulks
• Vermiculite insulation	• Sheet flooring (linoleum)
• Gaskets, seals, sealants	• Wallpaper
• Vibration isolators	• Drywall
• Laboratory tables and hoods	• Plasterboard
• Chalkboards	• Spackling/joint compound
• Pipe penetration packing / firestopping materials	• Textured paint
• Cementitious board	• Grout
• Electrical wire insulation	• Glazing compound
• Fire curtains	• Terrazzo

## **D. Limits of Survey**

It is the belief of the inspector that the survey was comprehensive in nature. However, certain materials could exist within the survey area that were not exposed even though destructive techniques were authorized. Accessible areas were visually inspected and covering surfaces were removed as safety concerns and the limits of the survey permitted.

The described locations of ACMs may not be all-inclusive.

Quantities of ACMs are estimated and are not intended to be used for abatement project bidding/pricing. The abatement contractor, project designer, and others are advised to verify all site parameters including material quantities.

## **III. Asbestos Survey Procedures**

### **A. Inspection & Sampling**

The physical inspection of the property was conducted on September 17, 2016. The inspection consisted of the examination of accessible suspect materials (which may contain asbestos) in interior and exterior installations within the structure, in accordance with 12NYCRR Part 56-1.9.

**Asbestos records:** No records were provided that indicate the presence of ACMs in the building.

The structure was visually inspected to identify potential ACMs. The inspector assessed each suspect material to determine whether the material was friable or non-friable. Quantities and condition of suspect ACMs were recorded.

The suspect materials in this inspection were flooring, drywall, joint compound, plaster, ceiling tiles, window glazing compound, roofing, siding, felts, insulation, caulking, and thermal system insulation.

A total of 54 samples were collected and submitted for analysis.

Certain building materials that were obviously not ACMs, such as wood, concrete, glass, and metal, were not sampled.

### **B. Laboratory Testing**

Collected samples were sealed for transport under chain-of-custody documentation to EMSL Laboratories in New York, NY, NYS ELAP #11506. Samples were received at the laboratory on September 21, 2016. The analytical data were received from the laboratory on September 26, 2016. A copy of the laboratory's certification is included in Appendix B.

Either Polarized Light Microscopy (PLM) with Dispersion Staining or Gravimetric Matrix Reduction and PLM with Transmission Electron Microscopy (TEM), used for negative confirmation, were performed. Non-friable organically bound samples (NOBs) such as vinyl floor tile or asphalt-based roofing material are required, in NYS, to be analyzed utilizing gravimetric reduction protocols. NOB samples testing negative under the PLM portion of this examination underwent TEM analysis.

Multiple samples were taken of most homogeneous suspect materials. In order to minimize analytical costs the laboratory was instructed to forego additional analyses if and when one sample of a multiple homogeneous group or a layered system tested positive (positive stop).

## IV. Findings

### A. Laboratory Results

The laboratory analytical results are attached as Appendix A.

### B. Summary of Findings

**The following materials were found to contain asbestos in concentrations greater than 1%:**

#### **Friable ACMs**

- **Friable duct wrap** on wall ducts, register boots, and on ducts in the basement (approximately 100 square feet observed; additional TSI may exist in hidden cavities within the structure).
- **Friable joint compound** on drywall surfaces in various parts of the building (approximately 3,000 square feet). Painted, this material is visually indistinguishable from the non-ACM plaster which covers some original wall and ceiling surfaces. As such, the quantity of drywall is a rough estimate.

#### **Non-Friable ACMs**

- **Non-friable white vinyl flooring** in the first floor rear bedroom closet (approximately 25 square feet).
- **Non-friable yellow vinyl flooring** in the first floor living room closet (approximately 40 square feet).
- **Non-friable tan bituminous roofing** on the front porch roof (approximately 200 square feet).

### Survey Data

Survey data, including sampling locations, material descriptions, friability, condition, estimated quantities of ACM (if any), and asbestos content are summarized in **Table 1**.

### Homogeneous Areas

Homogeneous areas of ACM and non-ACM materials are summarized in **Table 2**.

### Building Diagrams

Diagrams of the building showing locations of positive and negative samples are presented in **Figure 2**.

Photos of ACM are in the *Photos* section after Figure 2.

## **C. Transmittal of Survey Information**

In accordance with 12NYCRR Part 56, the results of the building/structure asbestos survey shall be immediately transmitted by the building/structure owner as follows:

1. "One copy of the completed asbestos survey shall be sent by the owner or their agent to the local government entity charged with issuing a permit for such demolition, renovation, remodeling or repair work under applicable State or local laws."
2. "The completed asbestos survey for controlled demolition (as per Subpart 56-11.5) or pre-demolition asbestos projects shall also be submitted to the appropriate Asbestos Control Bureau District Office." *The local New York State Asbestos Control Bureau District Office is provided below.*
3. "The completed asbestos survey shall be kept on the construction site with the asbestos notification and variance, if required, throughout the duration of the asbestos project and any associated demolition, renovation, remodeling or repair project."

### **SYRACUSE DISTRICT**

*(Counties: Allegany, Broome, Cayuga, Chemung, Chenango, Cortland, Delaware, Franklin, Hamilton, Herkimer, Jefferson, Lewis, Madison, Oneida, Onondaga, Oswego, Otsego, St. Lawrence, Schuyler, Seneca, Steuben, Tioga, Tompkins)*

- 450 S. Salina Street, Syracuse, NY 13202; (315) 479-3215

## V. Recommendations

Prior to demolition, asbestos containing materials should be removed in accordance with 12NYCRR Part 56.

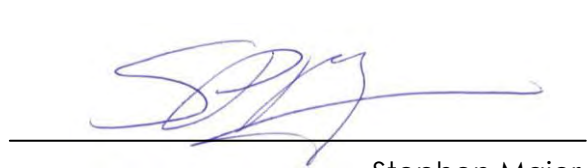
If hidden or otherwise suspect ACMs are discovered during demolition activities (or within the debris pile) they should be sampled and analyzed according to the procedures herein, and the scope of the demolition or removal altered as necessary based on the findings.

This survey report should be filed by the building owner with the appropriate governmental agencies, as noted in Section IV.C of this report. The inspector will retain a copy of this report in accordance with 12 NYCRR Part 56. Questions related to this survey should be directed to the Inspector at 607-239-4311.

Respectfully Submitted,  
ATLANTIC ENVIRONMENTAL CONSULTING, LLC



Matthew Weintraub  
N.Y. Asbestos Inspector No. 93-10084



Stephen Major  
N.Y. Asbestos Inspector No. 03-01809

## Tables

**Table 1 - Summary of Results**

Date	Atlantic Sample #	Layer	Diagram location number	Building area	Location (refer to diagrams)	Suspect material	Friability	Condition of Friable ACM	H.A.	Estimated Quantity of Homogeneous ACM	% asbestos
9/17/16	I1716-201	n/a	1	2FL	Kitchen	White vinyl flooring (bottom)	Non-friable	n/a	A	n/a	NAD
9/17/16	I1716-202	n/a	2	2FL	Kitchen	White vinyl flooring (bottom)	Non-friable	n/a	A	n/a	NAD
9/17/16	I1716-203	n/a	3	2FL	Kitchen	12x12 P&S floor tile (top)	Non-friable	n/a	A	n/a	NAD
9/17/16	I1716-204	n/a	4	2FL	Kitchen	12x12 P&S floor tile (top)	Non-friable	n/a	A	n/a	NAD
9/17/16	I1716-205	n/a	5	2FL	Wall	Drywall	Friable	n/a	B	See loc. 39	Presumed
9/17/16	I1716-206	n/a	6	2FL	Foyer	Drywall	Friable	n/a	B		Presumed
9/17/16	I1716-207	n/a	7	2FL	R BR	Drywall	Friable	n/a	B		Presumed
9/17/16	I1716-208	n/a	8	2FL	Laundry	Joint compound	Friable	n/a	C		Presumed
9/17/16	I1716-209	n/a	9	2FL	Rear	Joint compound	Friable	n/a	C		Presumed
9/17/16	I1716-210	n/a	10	2FL	LR	Joint compound	Friable	n/a	C		Presumed
9/17/16	I1716-211	n/a	11	2FL	Hall	Plaster	Friable	n/a	D	n/a	NAD
9/17/16	I1716-212	n/a	12	2FL	Foyer	Plaster	Friable	n/a	D	n/a	NAD
9/17/16	I1716-213	n/a	13	2FL	R BR	Plaster	Friable	n/a	D	n/a	NAD
9/17/16	I1716-214	n/a	14	2FL	Kitchen	Textured ceiling	Friable	n/a	E	n/a	NAD
9/17/16	I1716-215	n/a	15	2FL	Kitchen	Textured ceiling	Friable	n/a	E	n/a	NAD
9/17/16	I1716-216	n/a	16	2FL	Wall	Loose fill insulation	Friable	n/a	F	n/a	NAD
9/17/16	I1716-217	n/a	17	2FL	Wall	Loose fill insulation	Friable	n/a	F	n/a	NAD
9/17/16	I1716-218	n/a	18	2FL	Rear register	Fabric duct wrap	Friable	Damaged	G	100 s.f.	57.1%
9/17/16	I1716-219	n/a	19	1FL	Front register	Fabric duct wrap	Friable	Damaged	G		PS
9/17/16	I1716-220	n/a	20	1FL	Side register	Fabric duct wrap	Friable	Damaged	G		PS
9/17/16	I1716-221	n/a	21	1FL	Front	Plaster	Friable	n/a	D	n/a	NAD
9/17/16	I1716-222	n/a	22	1FL	Front	Plaster	Friable	n/a	D	n/a	NAD
9/17/16	I1716-223	n/a	23	1FL	Vestibule	12x12 floor tile	Non-friable	n/a	H	n/a	NAD
9/17/16	I1716-224	n/a	24	1FL	Vestibule	12x12 floor tile	Non-friable	n/a	H	n/a	NAD
9/17/16	I1716-225	n/a	25	1FL	Rear BR closet	White vinyl flooring	Non-friable	n/a	I	25 s.f.	10.8%
9/17/16	I1716-226	n/a	26	1FL	Rear BR closet	White vinyl flooring	Non-friable	n/a	I		PS
9/17/16	I1716-227	n/a	27	1FL	LR closet	Yellow vinyl flooring	Non-friable	n/a	J	40 s.f.	12.9%
9/17/16	I1716-228	n/a	28	1FL	LR closet	Yellow vinyl flooring	Non-friable	n/a	J		PS

**Table 1 Notes:**

Orange highlighting indicates samples with greater than 1% asbestos - POSITIVE or presumed

NAD = No asbestos

PS = Positive Stop: the sample or layered system is presumed to contain asbestos

H.A. = Homogeneous Area

**Table 1 - Summary of Results**

Date	Atlantic Sample #	Layer	Diagram location number	Building area	Location (refer to diagrams)	Suspect material	Friability	Condition of Friable ACM	H.A.	Estimated Quantity of Homogeneous ACM	% asbestos
9/17/16	I1716-229	n/a	29	1FL	Rear bath	12x12 floor tile	Non-friable	n/a	K	n/a	NAD
9/17/16	I1716-230	n/a	30	1FL	Rear bath	12x12 floor tile	Non-friable	n/a	K	n/a	NAD
9/17/16	I1716-231	n/a	31	1FL	Kitchen	12x12 floor tile	Non-friable	n/a	L	n/a	NAD
9/17/16	I1716-232	n/a	32	1FL	Kitchen	12x12 floor tile	Non-friable	n/a	L	n/a	NAD
9/17/16	I1716-233	n/a	33	1FL	Bath wall	Mastic	Non-friable	n/a	M	n/a	NAD
9/17/16	I1716-234	n/a	34	1FL	Kitchen wall	Mastic	Non-friable	n/a	M	n/a	NAD
9/17/16	I1716-235	n/a	35	1FL	Mid	2x4 ceiling tile	Friable	n/a	N	n/a	NAD
9/17/16	I1716-236	n/a	36	1FL	Mid	2x4 ceiling tile	Friable	n/a	N	n/a	NAD
9/17/16	I1716-237	n/a	37	1FL	Side	Drywall	Friable	n/a	O	3,000 s.f.	Presumed
9/17/16	I1716-238	n/a	38	1FL	L mid	Drywall	Friable	n/a	O		Presumed
9/17/16	I1716-239	n/a	39	1FL	L BR	Joint compound	Friable	n/a	O		1.8%
9/17/16	I1716-240	n/a	40	1FL	Front	Joint compound	Friable	n/a	O		PS
9/17/16	I1716-241	n/a	41	Exterior	Wall	Felt	Non-friable	n/a	P	n/a	NAD
9/17/16	I1716-242	n/a	42	Exterior	Wall	Felt	Non-friable	n/a	P	n/a	NAD
9/17/16	I1716-243	n/a	43	Exterior	2FL R	Glazing compound	Non-friable	n/a	Q	n/a	Trace
9/17/16	I1716-244	n/a	44	Exterior	1FL R	Glazing compound	Non-friable	n/a	Q	n/a	NAD
9/17/16	I1716-245	n/a	45	Exterior	R side	Caulk	Non-friable	n/a	R	n/a	NAD
9/17/16	I1716-246	n/a	46	Exterior	front	Caulk	Non-friable	n/a	R	n/a	NAD
9/17/16	I1716-247	n/a	47	Roof	Porch	Bituminous roofing	Non-friable	n/a	S	200 s.f.	PS
9/17/16	I1716-248	n/a	48	Roof	Porch	Bituminous roofing	Non-friable	n/a	S		1.2%
9/17/16	I1716-249	n/a	49	Roof	Main	Asphaltic felt	Non-friable	n/a	T	n/a	NAD
9/17/16	I1716-250	n/a	50	Roof	Main	Asphaltic felt	Non-friable	n/a	T	n/a	NAD
9/17/16	I1716-251	n/a	51	Roof	Main	Asphaltic shingle	Non-friable	n/a	T	n/a	NAD
9/17/16	I1716-252	n/a	52	Roof	Main	Asphaltic shingle	Non-friable	n/a	T	n/a	NAD
9/17/16	I1716-253	n/a	53	Roof	Main	Asphaltic flashing cement	Non-friable	n/a	U	n/a	Trace
9/17/16	I1716-254	n/a	54	Roof	Main	Asphaltic flashing cement	Non-friable	n/a	U	n/a	Trace

**Table 1 Notes:**

Orange highlighting indicates samples with greater than 1% asbestos - POSITIVE or presumed

NAD = No asbestos

PS = Positive Stop: the sample or layered system is presumed to contain asbestos

H.A. = Homogeneous Area

**Table 2 - Homogeneous Areas**

Area	Material	Locations	Friability	ACM? Y/N	Quantity of ACM
A	Layered vinyl flooring	Second floor kitchen	Non-friable	N	N/A
B	Drywall	Some walls and ceilings throughout the structure	Friable	Y	See H.A. "O" below
C	Joint compound	Some walls and ceilings throughout the structure	Friable	Y	
D	Plaster	Some walls and ceilings throughout the structure	Friable	N	N/A
E	Textured ceilings	Second floor kitchen	Friable	N	N/A
F	Loose fill insulation	Exterior walls	Friable	N	N/A
G	Fabric duct wrap	Heating ducts in wall cavities and in basement	Friable	Y	100 s.f.
H	12x12 floor tile	Stair vestibule	Non-friable	N	N/A
I	White vinyl flooring	First floor rear bedroom closet	Non-friable	Y	25 s.f.
J	Yellow vinyl flooring	First floor living room closet	Non-friable	Y	40 s.f.
K	12x12 floor tile	First floor rear bath	Non-friable	N	N/A
L	12x12 floor tile	First floor kitchen	Non-friable	N	N/A
M	Mastic	First floor kitchen and bath walls	Non-friable	N	N/A
N	2x4 ceiling tile	First floor mid area	Friable	N	N/A
O	Drywall and joint compound	Some walls and ceilings throughout the structure	Friable	Y	3,000 s.f. total
P	Asphaltic felt	Exterior wall underlayment	Non-friable	N	N/A
Q	Glazing compound	All old style putty-glazed window sash	Non-friable	N	N/A
R	Caulk	Exterior walls at joints and openings	Non-friable	N	N/A

**Table 2 Notes:**

Orange highlighting indicates Asbestos Containing Materials

\* Quantities are estimated and approximate: s.f. = square feet; l.f. = linear feet

**Table 2 - Homogeneous Areas**

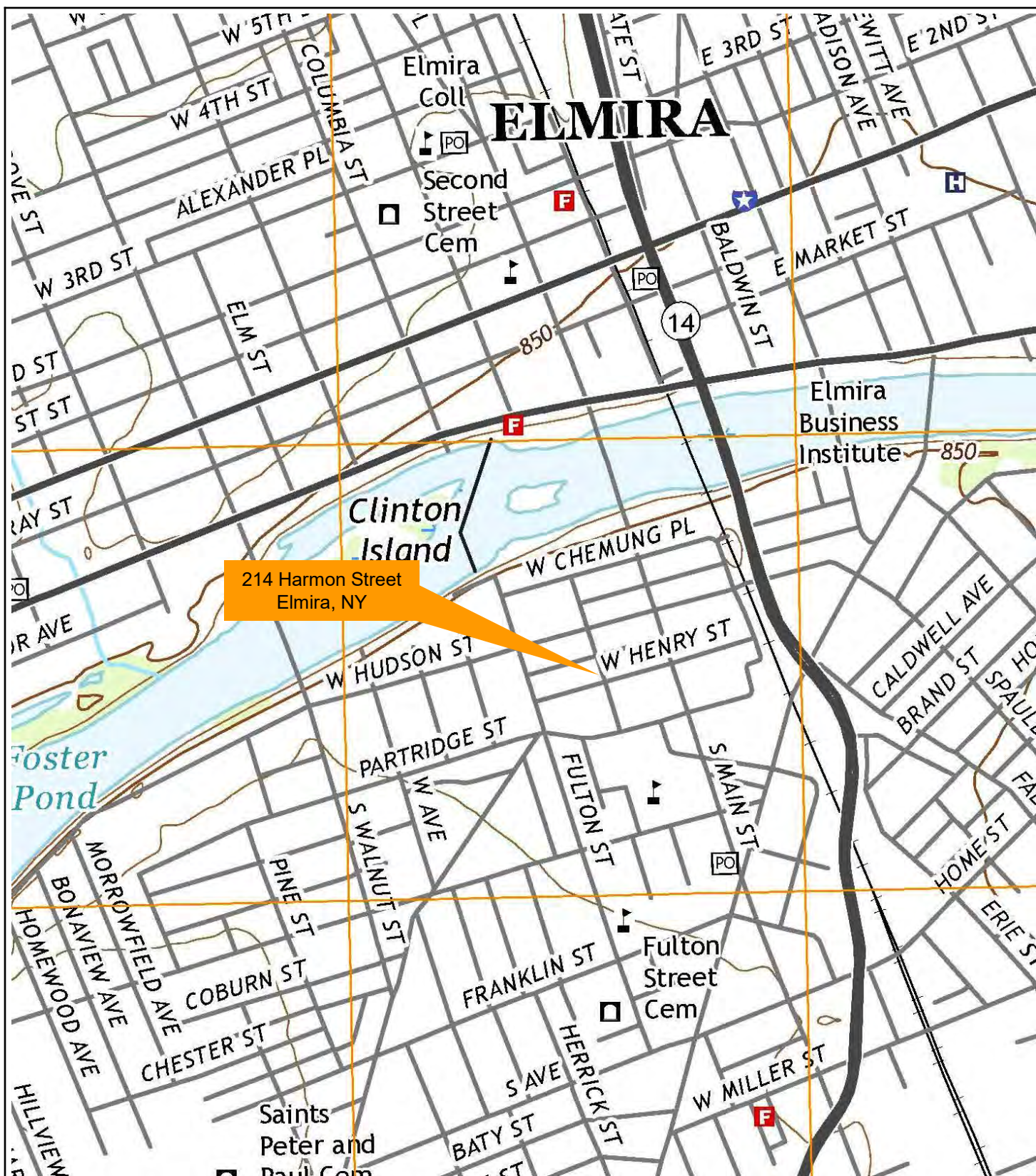
Area	Material	Locations	Friability	ACM? Y/N	Quantity of ACM
S	Bituminous roofing	Front porch roof	Non-friable	Y	200 s.f.
T	Asphaltic felt and shingles	Main roof	Non-friable	N	N/A
U	Asphaltic flashing cement	Roof joints and penetrations	Non-friable	N	N/A

**Table 2 Notes:**

Orange highlighting indicates Asbestos Containing Materials

\* Quantities are estimated and approximate: s.f. = square feet; l.f. = linear feet

## Figures



**FIGURE 1: SITE LOCATION**

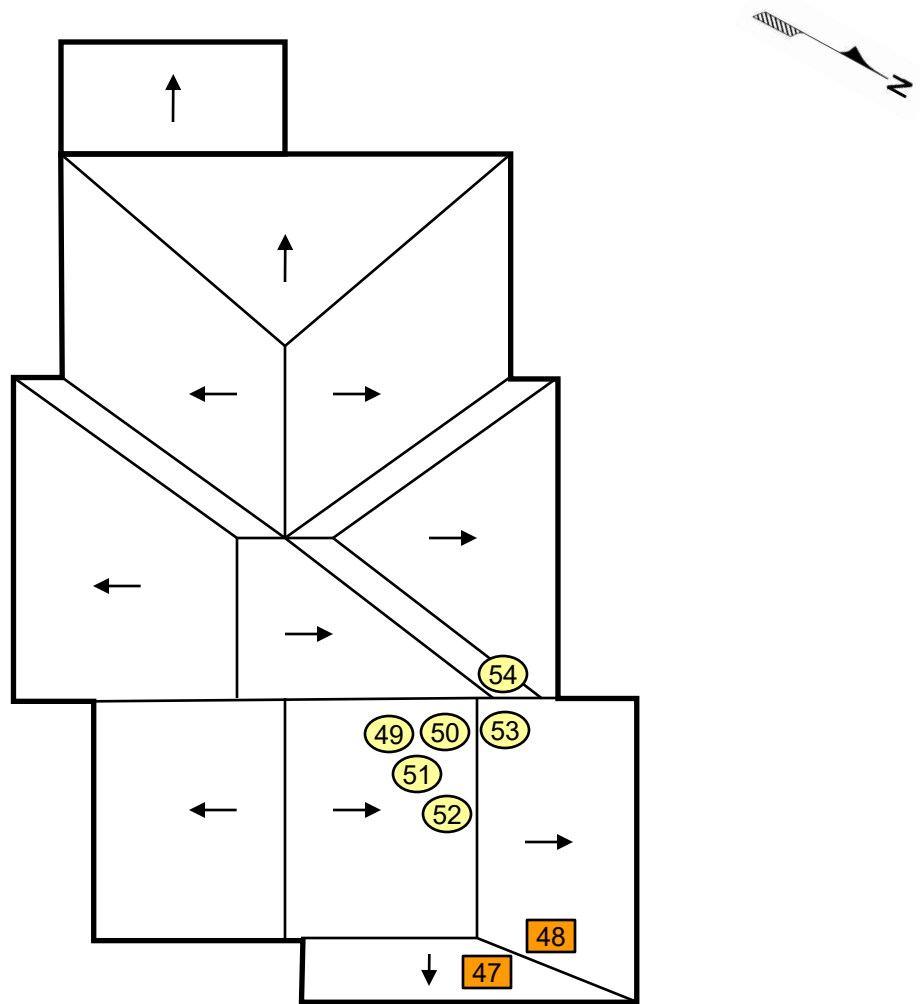
Project: Pre-Demolition  
Asbestos Survey

Site: 214 Harmon Street, Elmira, NY

Atlantic Environmental Consulting, LLC

Source: USGS 7.5-min. Quadrangle  
Elmira, New York (2016)





ROOF

HARMON STREET

## FIGURE 2: BUILDING AND SAMPLING DIAGRAM

Project: Pre-Demolition  
Asbestos Survey



Site: 214 Harmon Street, Elmira, NY

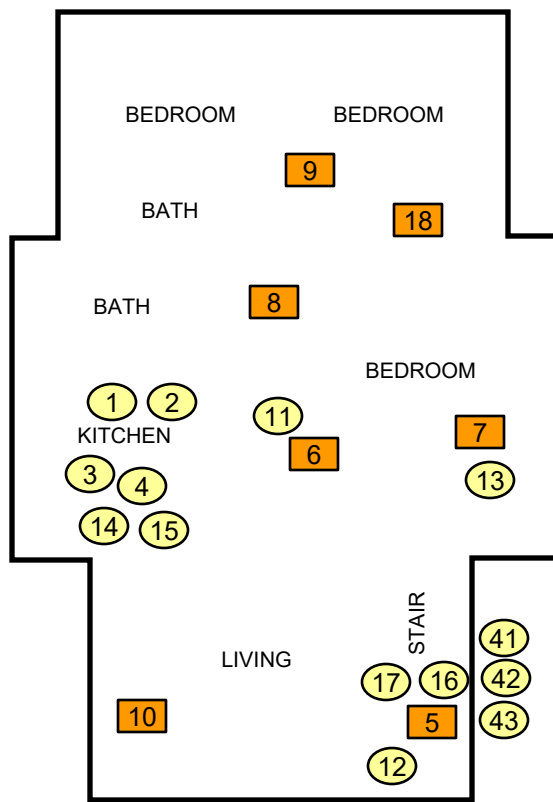
 Atlantic Environmental Consulting, LLC

Approximate scale: 1" = 12'

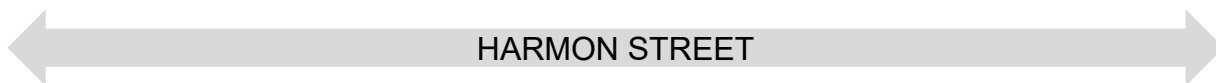
Sheet 1 of 3

### Sampling Locations

-  Negative Samples
-  Positive or Presumed Samples



2ND FLOOR



**FIGURE 2: BUILDING AND SAMPLING DIAGRAM**



Project: Pre-Demolition  
Asbestos Survey

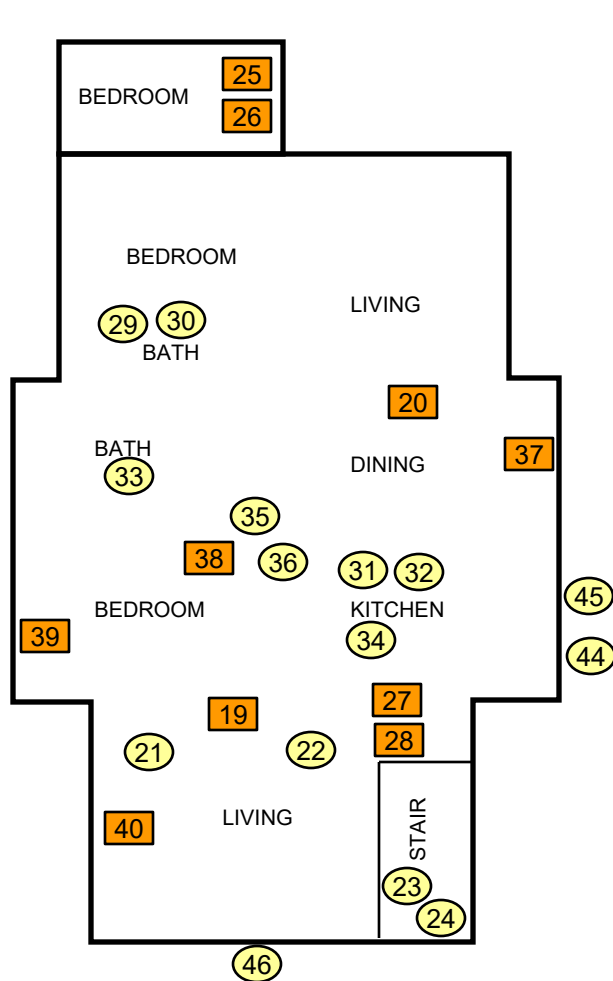
Site: 214 Harmon Street, Elmira, NY

Approximate scale: 1" = 12'

Sheet 2 of 3

Sampling Locations

-  Negative Samples
-  Positive or Presumed Samples



1<sup>ST</sup> FLOOR



## FIGURE 2: BUILDING AND SAMPLING DIAGRAM

Project: Pre-Demolition  
Asbestos Survey



Site: 214 Harmon Street, Elmira, NY

Atlantic Environmental Consulting, LLC

Approximate scale: 1" = 12'

Sheet 3 of 3

### Sampling Locations

-  Negative Samples
-  Positive or Presumed Samples

**Photos - 214 Harmon Street, Elmira, NY**

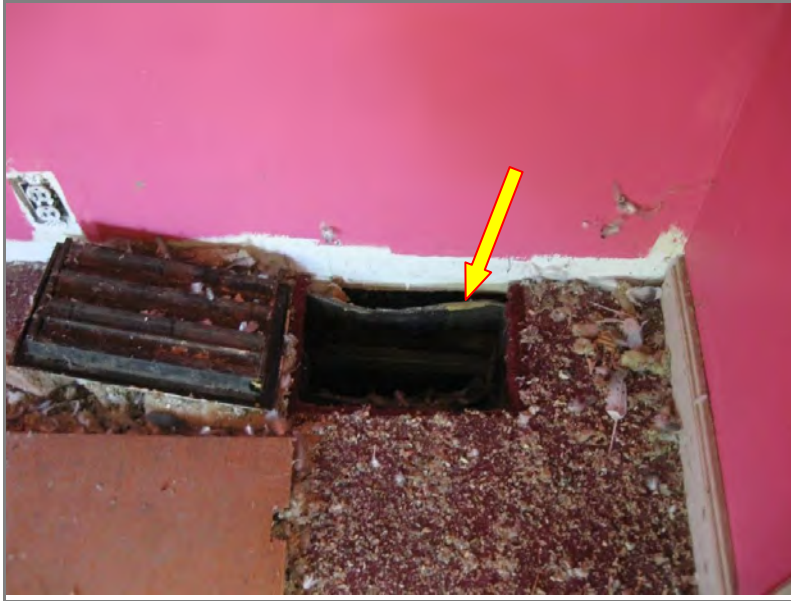


Photo 1:

Fabric duct wrap on registers and wall ducts is positive friable ACM.



Photo 2:

Fabric duct wrap on basement ducts is positive friable ACM.

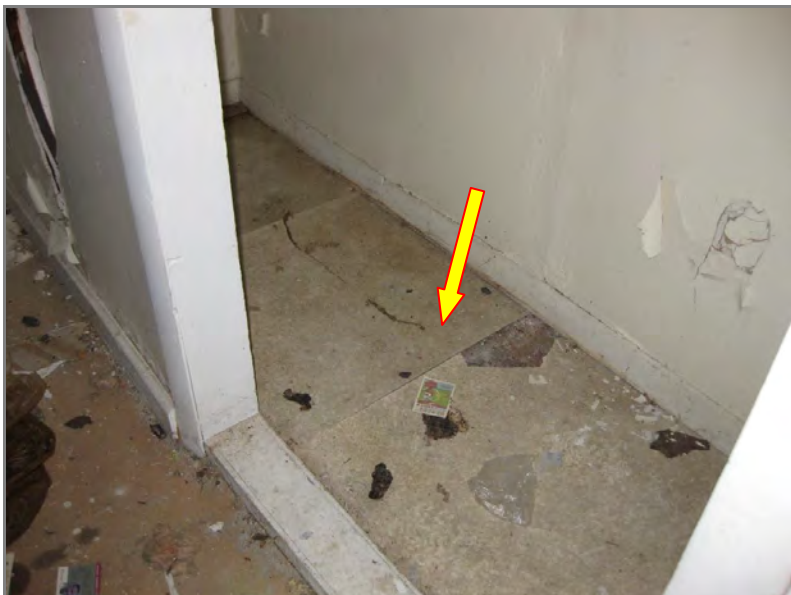


Photo 3:

White vinyl flooring in the first floor rear bedroom closet is positive non-friable ACM.

**Photos - 214 Harmon Street, Elmira, NY**



Photo 4:

Yellow vinyl flooring in the first floor living room closet is positive non-friable ACM.



Photo 5:

Bituminous roofing on the front porch is positive non-friable ACM.

## **Appendix A - Laboratory Analytical Data**



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com / manhattanlab@emsl.com>

EMSL Order: 031628488

Customer ID: ATEN78

Customer PO:

Project ID:

Attention: Matthew Weintraub

Atlantic Environmental Consulting, LLC

3725 Alpine Drive

Endicott, NY 13760

Phone: (607) 239-4311

Fax:

Received Date: 09/21/2016 11:03 AM

Analysis Date: 09/23/2016 - 09/24/2016

Collected Date: 09/17/2016

Project: 214 HARMON STREET, ELMIRA, NY

## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-201 031628488-0001		Description 2FL/ KITCHEN - WHITE VINYL FLOORING (BOTTOM) Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	White	<1.00% Glass	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	White		100.00% Other	None Detected
Sample ID 11716-202 031628488-0002		Description 2FL/ KITCHEN - WHITE VINYL FLOORING (BOTTOM) Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	White	<1.00% Glass	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	White		100.00% Other	None Detected
Sample ID 11716-203 031628488-0003		Description 2FL/ KITCHEN - 12X12 P&S FLOOR TILE (TOP) Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Gray		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Gray		100.00% Other	None Detected
Sample ID 11716-204 031628488-0004		Description 2FL/ KITCHEN - 12X12 P&S FLOOR TILE (TOP) Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Gray		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Gray		100.00% Other	None Detected
Sample ID 11716-205 031628488-0005		Description 2FL/ WALL - DRYWALL Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/24/2016	Brown/ Gray	16.00% Cellulose	58.00% Gypsum 26.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

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# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

EMSL Order: 031628488

Customer ID: ATEN78

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Project ID:

## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
<b>Sample ID</b> 11716-206 031628488-0006		<b>Description</b> 2FL/ FOYER - DRYWALL			
		<b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Brown/ Gray	10.00% Cellulose	62.00% Gypsum 28.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-207 031628488-0007		<b>Description</b> 2FL/ R BR - DRYWALL			
		<b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Gray	5.00% Cellulose	55.00% Gypsum 40.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-208 031628488-0008		<b>Description</b> 2FL/ LAUNDRY - JOINT COMPOUND			
		<b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>	09/24/2016	White/ Beige		40.00% Ca Carbonate 25.00% Gypsum 35.00% Non-fibrous (other)	<b>None Detected</b>
Inseparable paint / coating layer included in analysis					
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-209 031628488-0009		<b>Description</b> 2FL/ REAR - JOINT COMPOUND			
		<b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>	09/24/2016	White/ Pink		52.00% Ca Carbonate 20.00% Gypsum 28.00% Non-fibrous (other)	<b>None Detected</b>
Inseparable paint / coating layer included in analysis					
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-210 031628488-0010		<b>Description</b> 2FL/ LR - JOINT COMPOUND			
		<b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>	09/24/2016	White		50.00% Ca Carbonate 50.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>

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EMSL Order: 031628488

Customer ID: ATEN78

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Project ID:

## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
<b>Sample ID</b> 11716-211-Skim Coat 031628488-0011		<b>Description</b> 2FL/ HALL - PLASTER <b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Brown/ White	8.00% Cellulose	35.00% Ca Carbonate 57.00% Non-fibrous (other)	<b>None Detected</b>
Inseparable paint / coating layer included in analysis					
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-211-Rough Coat 031628488-0011A		<b>Description</b> 2FL/ HALL - PLASTER <b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Gray	None	100.00% Non-fibrous (other) Vermiculite Present	
Surfacing Material containing vermiculite. NYS requires ELAP method 198.8.					
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-212 031628488-0012		<b>Description</b> 2FL/ FOYER - PLASTER <b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Gray		2.00% Mica 68.00% Non-fibrous (other) 30.00% Quartz	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-213 031628488-0013		<b>Description</b> 2FL/ R BR - PLASTER <b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>	09/24/2016	Brown/ Gray		15.00% Ca Carbonate 50.00% Non-fibrous (other) 35.00% Quartz	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>
<b>Sample ID</b> 11716-214-Texture 031628488-0014		<b>Description</b> 2FL/ KITCHEN - TEXTURED CEILING <b>Homogeneity</b> Homogeneous			
<b>PLM NYS 198.1 Friable</b>	09/24/2016	White		35.00% Ca Carbonate 7.00% Mica 58.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>					<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>					<b>Not Analyzed</b>

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EMSL Order: 031628488

Customer ID: ATEN78

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Project ID:

## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID	I1716-214-Drywall 031628488-0014A	Description	2FL/ KITCHEN - TEXTURED CEILING		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	09/24/2016	Brown/ Gray	15.00% Cellulose	55.00% Gypsum 30.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID	I1716-215-Texture 031628488-0015	Description	2FL/ KITCHEN - TEXTURED CEILING		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	09/24/2016	Tan		35.00% Ca Carbonate 5.00% Mica 60.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID	I1716-215-Drywall 031628488-0015A	Description	2FL/ KITCHEN - TEXTURED CEILING		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	09/24/2016	Gray	5.00% Cellulose	65.00% Gypsum 30.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID	I1716-216 031628488-0016	Description	2FL/ WALL - LOOSE FILL INSULATION		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	09/24/2016	Brown/ Tan	86.00% Cellulose	14.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID	I1716-217 031628488-0017	Description	2FL/ WALL - LOOSE FILL INSULATION		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	09/24/2016	Brown	90.00% Cellulose	10.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID	I1716-218 031628488-0018	Description	2FL/ REAR REGISTER - FABRIC DUCT WRAP		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	09/24/2016	Gray	30.00% Cellulose	12.90% Non-fibrous (other)	57.10% Chrysotile
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

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EMSL Order: 031628488

Customer ID: ATEN78

Customer PO:

Project ID:

## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-219 031628488-0019		Description 2FL/ FRONT REGISTER - FABRIC DUCT WRAP Homogeneity			
PLM NYS 198.1 Friable	09/24/2016				Positive Stop (Not Analyzed)
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-220 031628488-0020		Description 2FL/ SIDE REGISTER - FABRIC DUCT WRAP Homogeneity			
PLM NYS 198.1 Friable	09/24/2016				Positive Stop (Not Analyzed)
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-221 031628488-0021		Description 2FL/ FRONT - PLASTER Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/24/2016	Gray	2.00% Cellulose 4.00% Hair	50.00% Non-fibrous (other) 44.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-222 031628488-0022		Description 2FL/ FRONT - PLASTER Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/24/2016	Brown/ Gray	2.00% Hair	10.00% Ca Carbonate 43.00% Non-fibrous (other) 45.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-223 031628488-0023		Description 2FL/ VESTIBULE - 12X12 FLOOR TILE Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Tan		100.00% Other	None Detected
Sample ID 11716-224 031628488-0024		Description 2FL/ VESTIBULE - 12X12 FLOOR TILE Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Tan		100.00% Other	None Detected

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EMSL Order: 031628488

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## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-225 031628488-0025		Description 2FL/ REAR BR CLOSET - WHITE VINYL FLOORING Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan	None	89.20% Other	10.80% Chrysotile
TEM NYS 198.4 NOB	09/23/2016				Positive Stop (Not Analyzed)
Sample ID 11716-226 031628488-0026		Description 2FL/ REAR BR CLOSET - WHITE VINYL FLOORING Homogeneity			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016				Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB	09/23/2016				Positive Stop (Not Analyzed)
Sample ID 11716-227 031628488-0027		Description 2FL/ LR CLOSET - YELLOW VINYL FLOORING Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan	None	87.10% Other	12.90% Chrysotile
TEM NYS 198.4 NOB	09/23/2016				Positive Stop (Not Analyzed)
Sample ID 11716-228 031628488-0028		Description 2FL/ LR CLOSET - YELLOW VINYL FLOORING Homogeneity			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016				Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB	09/23/2016				Positive Stop (Not Analyzed)
Sample ID 11716-229 031628488-0029		Description 1FL/ REAR BATH - 12X12 FLOOR TILE Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Tan		100.00% Other	None Detected
Sample ID 11716-230 031628488-0030		Description 1FL/ REAR BATH - 12X12 FLOOR TILE Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Tan		100.00% Other	None Detected

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EMSL Order: 031628488

Customer ID: ATEN78

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## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-231 031628488-0031		Description 1FL/ KITCHEN - 12X12 FLOOR TILE Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Tan		100.00% Other	None Detected
Sample ID 11716-232 031628488-0032		Description 1FL/ KITCHEN - 12X12 FLOOR TILE Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Tan		100.00% Other	None Detected
Sample ID 11716-233 031628488-0033		Description 1FL/ BATH WALL - MASTIC Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Tan		100.00% Other	None Detected
Sample ID 11716-234 031628488-0034		Description 1FL/ KITCHEN WALL - MASTIC Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Tan		100.00% Other	None Detected
Sample ID 11716-235 031628488-0035		Description 1FL/ MID - 2X4 CEILING TILE Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Gray/ White 13.10% Min. Wool		86.90% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Gray/ White		100.00% Other	None Detected
Sample ID 11716-236 031628488-0036		Description 1FL/ MID - 2X4 CEILING TILE Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Gray/ White 18.10% Min. Wool		81.90% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Gray/ White		100.00% Other	None Detected

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## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-237 031628488-0037			Description 1FL/ SIDE - DRYWALL Homogeneity Homogeneous		
PLM NYS 198.1 Friable	09/24/2016	Brown/ Gray	18.00% Cellulose	50.00% Gypsum 32.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-238 031628488-0038			Description 1FL/ L MID - DRYWALL Homogeneity Homogeneous		
PLM NYS 198.1 Friable	09/24/2016	Gray	10.00% Cellulose	60.00% Gypsum 30.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-239-Joint Compound 031628488-0039			Description 1FL/ L BR - JOINT COMPOUND Homogeneity Homogeneous		
PLM NYS 198.1 Friable	09/24/2016	White	None	35.00% Ca Carbonate 10.00% Mica 53.17% Non-fibrous (other)	1.83% Chrysotile
Inseparable paint / coating layer included in analysis					
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-239-Tape 031628488-0039A			Description 1FL/ L BR - JOINT COMPOUND Homogeneity Homogeneous		
PLM NYS 198.1 Friable	09/24/2016	White	93.00% Cellulose	7.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-240 031628488-0040			Description 1FL/ FRONT - JOINT COMPOUND Homogeneity		
PLM NYS 198.1 Friable	09/24/2016				Positive Stop (Not Analyzed)
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 11716-241 031628488-0041			Description EXTERIOR/ WALL - FELT Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected

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## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-242 031628488-0042		Description Homogeneity	EXTERIOR/ WALL - FELT Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-243 031628488-0043		Description Homogeneity	EXTERIOR/ 2FL R - GLAZING COMPOUND Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Blue	<1.00% Fibrous (other)	100.00% Other	Inconclusive : <1.00% Anthophyllite
TEM NYS 198.4 NOB	09/24/2016	Blue		100.00% Other	None Detected
Sample ID 11716-244 031628488-0044		Description Homogeneity	EXTERIOR/ 1FL R - GLAZING COMPOUND Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan	<1.00% Fibrous (other)	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Tan		100.00% Other	None Detected
Sample ID 11716-245 031628488-0045		Description Homogeneity	EXTERIOR/ R SIDE - CAULK Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	White/ Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	White/ Black		100.00% Other	None Detected
Sample ID 11716-246 031628488-0046		Description Homogeneity	EXTERIOR/ FRONT - CAULK Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Tan/ White/ Blue		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Tan/ White/ Blue		100.00% Other	None Detected
Sample ID 11716-247 031628488-0047		Description Homogeneity	ROOF/ PORCH - BITUMINOUS ROOFING Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	19.50% Glass	80.50% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/23/2016				Positive Stop (Not Analyzed)

Initial Report From: 09/24/2016 10:18:36



# EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com / manhattanlab@emsl.com>

EMSL Order: 031628488

Customer ID: ATEN78

Customer PO:

Project ID:

## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 11716-248 031628488-0048		Description Homogeneity	ROOF/ PORCH - BITUMINOUS ROOFING Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	23.40% Glass	75.40% Other	1.20% Chrysotile
TEM NYS 198.4 NOB	09/23/2016				Positive Stop (Not Analyzed)
Sample ID 11716-249 031628488-0049		Description Homogeneity	ROOF/ MAIN - ASPHALTIC FELT Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-250 031628488-0050		Description Homogeneity	ROOF/ MAIN - ASPHALTIC FELT Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-251 031628488-0051		Description Homogeneity	ROOF/ MAIN - ASPHALTIC SHINGLE Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	16.00% Glass	84.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-252 031628488-0052		Description Homogeneity	ROOF/ MAIN - ASPHALTIC SHINGLE Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	20.80% Glass	79.20% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected
Sample ID 11716-253 031628488-0053		Description Homogeneity	ROOF/ MAIN - ASPHALTIC FLASHING CEMENT Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	None	100.00% Other	Inconclusive : <1.00% Chrysotile
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected

Initial Report From: 09/24/2016 10:18:36



## EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / [manhattanlab@emsl.com](mailto:manhattanlab@emsl.com)

EMSL Order: 031628488

Customer ID: ATEN78

Customer PO:

Project ID:

### Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID	11716-254	Description	ROOF/ MAIN - ASPHALTIC FLASHING CEMENT		
	031628488-0054	Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/23/2016	Black	None	100.00% Other	Inconclusive : <1.00% Chrysotile
TEM NYS 198.4 NOB	09/24/2016	Black		100.00% Other	None Detected

Initial Report From: 09/24/2016 10:18:36



## EMSL Analytical, Inc.

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<http://www.EMSL.com / manhattanlab@emsl.com>

EMSL Order: 031628488

Customer ID: ATEN78

Customer PO:

Project ID:

### Test Report:Asbestos Analysis of Bulk Material

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods . The reference number for these samples is the EMSL Order ID above . Please use this reference number when calling about these samples.

#### Report Comments:

Sample Receipt Date: 9/21/2016

Sample Receipt Time: 11:03 AM

Analysis Completed Date: 9/23/2016

Analysis Completed Time: 6:05 PM

#### Analyst(s):

Shahrakur Mahmud PLM NYS 198.1 Friable (15)

Tiquasha Thompson PLM NYS 198.1 Friable (8)

Jon Williams PLM NYS 198.6 NOB (30)

Alicia Folgar TEM NYS 198.4 NOB (26)

#### Samples reviewed and approved by:

James Hall, Laboratory Manager  
or Other Approved Signatory

NOB = Non Friable Organically Bound N/A = Not Applicable VCM = Vermiculite Containing Material

-In New York State, TEM is currently the only method that can be used to determine if NOB materials can be considered or treated as non -asbestos containing.

All samples examined for the presence of vermiculite when analyzed via NYS 198.1.

-NYS Guidelines for Vermiculite containing samples are available at [http://www.wadsworth.org/labcert/elapcert/forms/VermiculiteInterimGuidance\\_Rev070913.pdf](http://www.wadsworth.org/labcert/elapcert/forms/VermiculiteInterimGuidance_Rev070913.pdf) EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations . Interpretation and use of test results are the responsibility of the client. Samples were received in good condition unless otherwise noted.

This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. This report may contain data that is not covered by the NVLAP accreditation .

Samples analyzed by EMSL Analytical, Inc. New York, NY NYS ELAP 11506

Initial Report From: 09/24/2016 10:18:36

**ATLANTIC ENVIRONMENTAL CONSULTING****CHAIN OF CUSTODY****BULK SAMPLING**PAGE 1 OF 2

EMSL Job #:

031628488**LAB:**EMSL New York  
307 West 38th Street  
New York, NY, 10018  
212-290-0051Atlantic Environmental Consulting, 3725 Alpine Drive,  
Endwell, NY 13760 EMAIL: atlanticconsulting@stny.rr.com

PHONE: 607-239-4311

FAX: 877-237-7258

**PROJECT: 214 HARMON STREET, ELMIRA, NY****JOB TYPE:**  
NYS Pre-Demo.**MANAGER:**  
Matthew Weintraub**ANALYSIS:****TURNAROUND TIME****COMMENTS:**PLM 8 HR 12 HR 24 HR 48 HR 72 HR 96 HR 120 HRTEM BULK 8 HR 12 HR 24 HR 48 HR 72 HR 96 HR 120 HR

OTHER 8 HR 12 HR 24 HR 48 HR 72 HR 96 HR OTHER

Analyze in order listed; stop analyses at first  
positive of each homogeneous area (HA).J. 9/23/16

DATE	SAMPLE ID	BUILDING AREA	LOCATION	MATERIAL	HA
9/17/16	I1716-201	2FL	Kitchen	White vinyl flooring (bottom)	A
9/17/16	I1716-202	2FL	Kitchen	White vinyl flooring (bottom)	A
9/17/16	I1716-203	2FL	Kitchen	12x12 P&S floor tile (top)	A
9/17/16	I1716-204	2FL	Kitchen	12x12 P&S floor tile (top)	A
9/17/16	I1716-205	2FL	Wall	Drywall	B
9/17/16	I1716-206	2FL	Foyer	Drywall	B
9/17/16	I1716-207	2FL	R BR	Drywall	B
9/17/16	I1716-208	2FL	Laundry	Joint compound	C
9/17/16	I1716-209	2FL	Rear	Joint compound	C
9/17/16	I1716-210	2FL	LR	Joint compound	C
9/17/16	I1716-211	2FL	Hall	Plaster	D
9/17/16	I1716-212	2FL	Foyer	Plaster	D
9/17/16	I1716-213	2FL	R BR	Plaster	D
9/17/16	I1716-214	2FL	Kitchen	Textured ceiling	E
9/17/16	I1716-215	2FL	Kitchen	Textured ceiling	E
9/17/16	I1716-216	2FL	Wall	Loose fill insulation	F
9/17/16	I1716-217	2FL	Wall	Loose fill insulation	F
9/17/16	I1716-218	2FL	Rear register	Fabric duct wrap	G
9/17/16	I1716-219	1FL	Front register	Fabric duct wrap	G
9/17/16	I1716-220	1FL	Side register	Fabric duct wrap	G
9/17/16	I1716-221	1FL	Front	Plaster	D
9/17/16	I1716-222	1FL	Front	Plaster	D
9/17/16	I1716-223	1FL	Vestibule	12x12 floor tile	H
9/17/16	I1716-224	1FL	Vestibule	12x12 floor tile	H
9/17/16	I1716-225	1FL	Rear BR closet	White vinyl flooring	I
9/17/16	I1716-226	1FL	Rear BR closet	White vinyl flooring	I
9/17/16	I1716-227	1FL	LR closet	Yellow vinyl flooring	J
9/17/16	I1716-228	1FL	LR closet	Yellow vinyl flooring	J

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DATE:

9/24/16  
09:38am

**ATLANTIC ENVIRONMENTAL CONSULTING****CHAIN OF CUSTODY****BULK SAMPLING**PAGE 2 OF 2

EMSL Job #:

031628488**LAB:**

EMSL New York  
307 West 38th Street  
New York, NY, 10018  
212-290-0051

Atlantic Environmental Consulting, 3725 Alpine Drive,  
Endwell, NY 13760 EMAIL: atlanticconsulting@stny.rr.com

PHONE: 607-239-4311

FAX: 877-237-7258

**PROJECT: 214 HARMON STREET, ELMIRA, NY**

**JOB TYPE:**  
NYS Pre-Demo.

**MANAGER:**  
Matthew Weintraub

**ANALYSIS:****TURNAROUND TIME**

PLM	8 HR	12 HR	24 HR	48 HR	72 HR	96 HR	120 HR
TEM BULK	8 HR	12 HR	24 HR	48 HR	72 HR	96 HR	120 HR
OTHER	8 HR	12 HR	24 HR	48 HR	72 HR	96 HR	OTHER

**COMMENTS:**

Analyze in order listed; stop analyses at first positive of each homogeneous area (HA).

9/23/16 4P

DATE	SAMPLE ID	BUILDING AREA	LOCATION	MATERIAL	HA
9/17/16	I1716-229	1FL	Rear bath	12x12 floor tile	K
9/17/16	I1716-230	1FL	Rear bath	12x12 floor tile	K
9/17/16	I1716-231	1FL	Kitchen	12x12 floor tile	L
9/17/16	I1716-232	1FL	Kitchen	12x12 floor tile	L
9/17/16	I1716-233	1FL	Bath wall	Mastic	M
9/17/16	I1716-234	1FL	Kitchen wall	Mastic	M
9/17/16	I1716-235	1FL	Mid	2x4 ceiling tile	N
9/17/16	I1716-236	1FL	Mid	2x4 ceiling tile	N
9/17/16	I1716-237	1FL	Side	Drywall	O
9/17/16	I1716-238	1FL	L mid	Drywall	O
9/17/16	I1716-239	1FL	L BR	Joint compound	O
9/17/16	I1716-240	1FL	Front	Joint compound	O
9/17/16	I1716-241	Exterior	Wall	Felt	P
9/17/16	I1716-242	Exterior	Wall	Felt	P
9/17/16	I1716-243	Exterior	2FL R	Glazing compound	Q
9/17/16	I1716-244	Exterior	1FL R	Glazing compound	Q
9/17/16	I1716-245	Exterior	R side	Caulk	R
9/17/16	I1716-246	Exterior	front	Caulk	R
9/17/16	I1716-247	Roof	Porch	Bituminous roofing	S
9/17/16	I1716-248	Roof	Porch	Bituminous roofing	S
9/17/16	I1716-249	Roof	Main	Asphaltic felt	T
9/17/16	I1716-250	Roof	Main	Asphaltic felt	T
9/17/16	I1716-251	Roof	Main	Asphaltic shingle	T
9/17/16	I1716-252	Roof	Main	Asphaltic shingle	T
9/17/16	I1716-253	Roof	Main	Asphaltic flashing cement	U
9/17/16	I1716-254	Roof	Main	Asphaltic flashing cement	U

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RELINQUISHED BY:

DATE:

RECEIVED IN LAB BY:

DATE:

9/21/16 11:03 AM

9/20/16

9/23/16 4P

9/23/16 09:38am

**ATLANTIC ENVIRONMENTAL CONSULTING**  
**CHAIN OF CUSTODY**  
**BULK SAMPLING**

PAGE 1 OF 2

EMSL Job #:

031628488

**LAB:**

EMSL New York  
307 West 38th Street  
New York, NY, 10018  
212-290-0051

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Endwell, NY 13760 EMAIL: atlanticconsulting@stny.rr.com

PHONE: 607-239-4311

FAX: 877-237-7258

PROJECT: 214 HARMON STREET, ELMIRA, NY

JOB TYPE:  
NYS Pre-Demo.

MANAGER:  
Matthew Weintraub

**ANALYSIS:**

**TURNAROUND TIME**

**COMMENTS:**

PLM	8 HR	12 HR	24 HR	48 HR	72 HR	96 HR	120 HR
TEM BULK	8 HR	12 HR	24 HR	48 HR	72 HR	96 HR	120 HR
OTHER	8 HR	12 HR	24 HR	48 HR	72 HR	96 HR	OTHER

Analyze in order listed; stop analyses at first  
positive of each homogeneous area (HA).

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9/17/16	I1716-202	2FL	Kitchen	White vinyl flooring (bottom)	A
9/17/16	I1716-203	2FL	Kitchen	12x12 P&S floor tile (top)	A
9/17/16	I1716-204	2FL	Kitchen	12x12 P&S floor tile (top)	A
9/17/16	I1716-205	2FL	Wall	Drywall	B
9/17/16	I1716-206	2FL	Foyer	Drywall	B
9/17/16	I1716-207	2FL	R BR	Drywall	B
9/17/16	I1716-208	2FL	Laundry	Joint compound	C
9/17/16	I1716-209	2FL	Rear	Joint compound	C
9/17/16	I1716-210	2FL	LR	Joint compound	C
9/17/16	I1716-211	2FL	Hall	Plaster	D
9/17/16	I1716-212	2FL	Foyer	Plaster	D
9/17/16	I1716-213	2FL	R BR	Plaster	D
9/17/16	I1716-214	2FL	Kitchen	Textured ceiling	E
9/17/16	I1716-215	2FL	Kitchen	Textured ceiling	E
9/17/16	I1716-216	2FL	Wall	Loose fill insulation	F
9/17/16	I1716-217	2FL	Wall	Loose fill insulation	F
9/17/16	I1716-218	2FL	Rear register	Fabric duct wrap	G
9/17/16	I1716-219	1FL	Front register	Fabric duct wrap	G
9/17/16	I1716-220	1FL	Side register	Fabric duct wrap	G
9/17/16	I1716-221	1FL	Front	Plaster	D
9/17/16	I1716-222	1FL	Front	Plaster	D
9/17/16	I1716-223	1FL	Vestibule	12x12 floor tile	H
9/17/16	I1716-224	1FL	Vestibule	12x12 floor tile	H
9/17/16	I1716-225	1FL	Rear BR closet	White vinyl flooring	I
9/17/16	I1716-226	1FL	Rear BR closet	White vinyl flooring	I
9/17/16	I1716-227	1FL	LR closet	Yellow vinyl flooring	J
9/17/16	I1716-228	1FL	LR closet	Yellow vinyl flooring	J

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**ATLANTIC ENVIRONMENTAL CONSULTING  
CHAIN OF CUSTODY**

BULK SAMPLING

PAGE 2 OF 2

EMSL Job #:

031628488

LAB:

EMSL New York  
307 West 38th Street  
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212-290-0051Atlantic Environmental Consulting, 3725 Alpine Drive,  
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PHONE: 607-239-4311

FAX: 877-237-7258

PROJECT: 214 HARMON STREET, ELMIRA, NY

JOB TYPE:

NYS Pre-Demo.

MANAGER:

Matthew Weintraub

**ANALYSIS:****TURNAROUND TIME:****COMMENTS:**

PLM	8 HR	12 HR	24 HR	48 HR	<u>72 HR</u>	96 HR	120 HR
TEM BULK	8 HR	12 HR	24 HR	48 HR	<u>72 HR</u>	96 HR	120 HR
OTHER	8 HR	12 HR	24 HR	48 HR	72 HR	96 HR	OTHER

Analyze in order listed; stop analyses at first positive of each homogeneous area (HA).

DATE	SAMPLE ID	BUILDING AREA	LOCATION	MATERIAL	HA
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9/17/16	I1716-230	1FL	Rear bath	12x12 floor tile	K
9/17/16	I1716-231	1FL	Kitchen	12x12 floor tile	L
9/17/16	I1716-232	1FL	Kitchen	12x12 floor tile	L
9/17/16	I1716-233	1FL	Bath wall	Mastic	M
9/17/16	I1716-234	1FL	Kitchen wall	Mastic	M
9/17/16	I1716-235	1FL	Mid	2x4 ceiling tile	N
9/17/16	I1716-236	1FL	Mid	2x4 ceiling tile	N
9/17/16	I1716-237	1FL	Side	Drywall	O
9/17/16	I1716-238	1FL	L mid	Drywall	O
9/17/16	I1716-239	1FL	L BR	Joint compound	O
9/17/16	I1716-240	1FL	Front	Joint compound	O
9/17/16	I1716-241	Exterior	Wall	Felt	P
9/17/16	I1716-242	Exterior	Wall	Felt	P
9/17/16	I1716-243	Exterior	2FL R	Glazing compound	Q
9/17/16	I1716-244	Exterior	1FL R	Glazing compound	Q
9/17/16	I1716-245	Exterior	R side	Caulk	R
9/17/16	I1716-246	Exterior	front	Caulk	R
9/17/16	I1716-247	Roof	Porch	Bituminous roofing	S
9/17/16	I1716-248	Roof	Porch	Bituminous roofing	S
9/17/16	I1716-249	Roof	Main	Asphaltic felt	T
9/17/16	I1716-250	Roof	Main	Asphaltic felt	T
9/17/16	I1716-251	Roof	Main	Asphaltic shingle	T
9/17/16	I1716-252	Roof	Main	Asphaltic shingle	T
9/17/16	I1716-253	Roof	Main	Asphaltic flashing cement	U
9/17/16	I1716-254	Roof	Main	Asphaltic flashing cement	U

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DATE:

RECEIVED IN LAB BY:

DATE:

## Appendix B - Inspector & Laboratory Accreditation

**New York State – Department of Labor**  
Division of Safety and Health  
License and Certificate Unit  
State Campus, Building 12  
Albany, NY 12240

**ASBESTOS HANDLING LICENSE**

Atlantic Environmental Consulting, LLC  
3725 Alpine Drive  
Endwall, NY 13760

FILE NUMBER: 07-30731  
LICENSE NUMBER: 30731  
LICENSE CLASS: RESTRICTED  
DATE OF ISSUE: 05/26/2016  
EXPIRATION DATE: 05/31/2017

Duly Authorized Representative – Lynette M. Weintraub

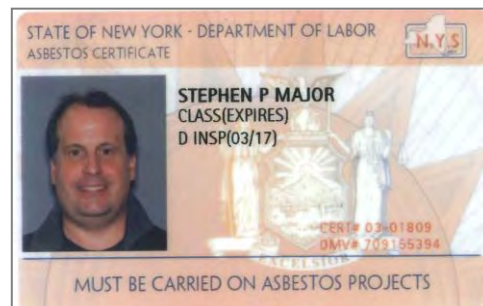
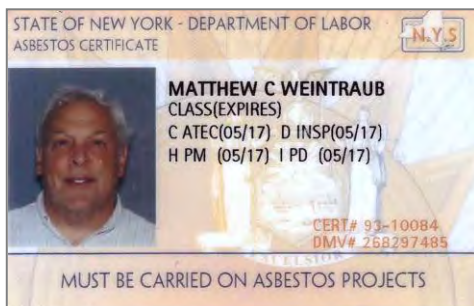
This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

*Eileen M. Franko*

Eileen M. Franko, Director  
For the Commissioner of Labor

SH 432 (8/12)



NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER



Expires 12:01 AM April 01, 2017  
Issued April 01, 2016

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

*Issued in accordance with and pursuant to section 502 Public Health Law of New York State*

MR. JAMES HALL  
EMSL ANALYTICAL, INC  
307 WEST 38TH STREET  
NEW YORK, NY 10018

NY Lab Id No: 11506

*is hereby APPROVED as an Environmental Laboratory for the category  
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE  
All approved subcategories and/or analytes are listed below:*

**Miscellaneous**

Asbestos in Friable Material	Item 198.1 of Manual EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Lead in Dust Wipes	EPA 7000B
Lead in Paint	EPA 7000B

**Sample Preparation Methods**

EPA 3050B



**Serial No.: 54297**

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

## Appendix C

### Glossary of Terms, Abbreviations, And Acronyms

<b>12 NYCRR Part 56</b>	A part of the Codes, Rules, and Regulations of New York State intended to control asbestos removal and disturbance activities. Commonly referred to as “Code Rule 56.”
<b>12x12</b>	In inches, a size description of floor tile; width x length.
<b>1x1</b>	In feet, a size description of ceiling tile; width x length.
<b>2x2</b>	In feet, a size description of ceiling tile; width x length.
<b>2x4</b>	In feet, a size description of ceiling tile; width x length.
<b>9x9</b>	In inches, a size description of floor tile; width x length.
<b>ACM</b>	Asbestos-containing material.
<b>Air-Cell</b>	Thermal pipe insulation comprised of corrugated layers which form air spaces.
<b>Asbestos</b>	Any of several naturally-occurring amphibole and serpentine minerals which separate into long threadlike fibers.
<b>Asphaltic</b>	Having an asphalt or tar-like matrix, as in a typical roof shingle.
<b>BR</b>	Bedroom
<b>BUR</b>	Built-up roofing; typically layers of asphaltic felt bonded and sealed with tar or pitch.
<b>Ceil</b>	Ceiling
<b>Cementitious</b>	Having a lime-cement matrix; such materials are typically hard and rigid.
<b>Code Rule 56</b>	A part of the Codes, Rules, and Regulations of New York State intended to control asbestos removal and disturbance activities. Technically referred to as “12 NYCRR Part 56.”
<b>CT</b>	Ceiling tile.
<b>DR</b>	Dining room.
<b>Drywall</b>	A gypsum-based sheet with heavy paper facings, used as a wall and ceiling finish, fire stopping, and sound-deadening.
<b>E</b>	East on the compass.
<b>ELAP</b>	Environmental Laboratory Approval Program, administered by the New York State Department of Health.
<b>Felt</b>	Any of a variety of thick papers and fabrics that are formed by pressing fibers into place, rather than weaving.
<b>Friable</b>	Able to be crushed or pulverized by hand pressure.
<b>Glazing Compound</b>	A putty or caulk used to set and seal glass in a window frame.
<b>HVAC</b>	Heating, ventilation, and air conditioning.
<b>Joint Compound</b>	A gypsum or lime based plaster-like material used to conceal and finish joints in drywall.
<b>Kit</b>	Kitchen.
<b>Lagging</b>	Thermal insulation typically installed on a boiler or tank.
<b>l.f.</b>	Linear feet; a unit of measure typically used to quantify the length of pipe insulation.
<b>Limited</b>	For asbestos surveys, the term “limited” acknowledges the fact that all possible suspect materials may not be observed. Some materials can be concealed within inaccessible areas or cannot be reached due to safety concerns. Also, a client may request a survey with limits.

<b>LR</b>	Living room.
<b>Masonry</b>	Structures comprised of concrete, brick, concrete block, or similar materials.
<b>N</b>	North on the compass.
<b>NACM</b>	Non-asbestos containing material. Contains less than 1% asbestos by laboratory analysis.
<b>NAD</b>	No asbestos detected (by laboratory analysis).
<b>NE</b>	Northeast on the compass.
<b>NOB</b>	Non-friable organically bound. NOBs have an organic matrix (tar, asphalt, plastic, etc.) that generally binds other constituents (fibers, powders) together. Examples are asphaltic roofing and resilient flooring.
<b>Non-Friable</b>	Not able to be crushed or pulverized by normal hand pressure.
<b>NW</b>	Northwest on the compass.
<b>NYSDOL</b>	New York State Department of Labor
<b>PACM</b>	Presumed asbestos-containing material.
<b>PLM</b>	Polarized light microscopy; a laboratory analytical method for identifying asbestos.
<b>Pre-Demolition</b>	Referring to an activity, such as a survey or inspection, conducted prior to the disturbance or demolition of a building or portion of a building.
<b>Resilient</b>	Somewhat flexible or plastic; able to be slightly bent or flexed without breaking.
<b>Roll</b>	Asphaltic rolled roofing.
<b>S</b>	South on the compass.
<b>SE</b>	Southeast on the compass.
<b>s.f.</b>	Square feet; a unit of area measure typically used to quantify surfacing materials, roofing, drywall, etc.
<b>Shingle</b>	A tile (of wood, asphalt, etc.) that is installed in overlapping fashion as a covering on roofs and walls.
<b>Subject Property</b>	The building or buildings that are within the work scope of an asbestos survey.
<b>Survey</b>	An inspection and sampling of a building, structure, debris pile, etc., for suspect asbestos-containing materials.
<b>Suspect Material</b>	A material which may contain asbestos.
<b>SW</b>	Southwest on the compass.
<b>TEM</b>	Transmission electron microscopy; a laboratory analytical method for identifying asbestos.
<b>Transite</b>	A brand of cementitious board or pipe. Older Transite typically contains asbestos.
<b>TSI</b>	Thermal system insulation.
<b>Util</b>	Utility.
<b>VAT</b>	Vinyl asbestos tile (floor).
<b>VCT</b>	Vinyl composition tile (floor).
<b>W</b>	West on the compass.